Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/03/2021 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125024	0	1.15	124922	1.12
Blue	F	SSC	125000	124262	-1	2.27	124577	2.07
Blue	E	FITC	13131	12627	-4	2.15	290	15.11
Blue	D	PE	24112	23860	-2	1.60	547	10.29
Blue	B	PerCP-Cy5-5	31295	30627	-3	2.82	1014	13.80
Blue	A	PE-Cy7	19939	19838	-1	4.96	533	27.77
Red	C	APC	42122	41791	-1	2.80	1753	11.25
Red	A	APC-Cy7	22340	21583	-4	3.07	810	11.51
Violet	B	V450	7410	7136	-4	3.37	433	12.23
Violet	A	V500	28118	26928	-5	2.93	673	9.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23092	1.19	558	-11	N/A	N/A	Pass
Blue	F	SSC	57949	1.10	511	-1	N/A	N/A	Pass
Blue	E	FITC	54	53.22	479	-8	0.0466	130	Pass
Blue	D	PE	115	36.16	482	-6	0.5061	373	Pass
Blue	B	PerCP-Cy5-5	190	34.04	577	-9	0.0223	71	Pass
Blue	A	PE-Cy7	109	62.73	619	-9	0.0238	0	Pass
Red	C	APC	405	23.46	577	1	0.0283	153	Pass
Red	A	APC-Cy7	182	27.49	550	-1	0.0065	1216	Pass
Violet	B	V450	61	59.82	453	0	0.0603	1960	Pass
Violet	A	V500	98	34.21	464	-1	0.0287	1080	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.16	-31.98	1.08
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.41
Red	16.96	13.60 - 20.40	N/A	N/A	30.32	30.54	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10445

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments